

Title (en)

Method and device for activating and deactivating geopositioning devices in moving vehicles

Title (de)

Verfahren und Vorrichtung zur Aktivierung und Deaktivierung von Geopositionierungsvorrichtungen in sich bewegenden Fahrzeugen

Title (fr)

Procédé et dispositif permettant d'activer et de désactiver des dispositifs de géolocalisation des véhicules en mouvement

Publication

**EP 3051315 A1 20160803 (EN)**

Application

**EP 15382021 A 20150129**

Priority

EP 15382021 A 20150129

Abstract (en)

A mobile user terminal (1) and method for activating/deactivating geopositioning devices (13) in moving vehicles, wherein the detection of the geopositioning device (13) located in a moving vehicle is based on data from low-energy consumption sensors (11) provided by the mobile user terminal (1). If the mobile user terminal (1) is located in the moving vehicle, at least one probe pattern related to a situation of the moving vehicle is identified and based on the identified probe pattern and data from low-energy consumption sensors (11), it is verified either that the situation corresponds to the mobile user terminal (1) riding in the moving vehicle (12), and then the geopositioning device (13) is activated (18), or that the mobile user terminal (1) is stopped in the moving vehicle (15), and then the geopositioning device (13) is deactivated (16). The steps of detecting and identifying the moving vehicle situation, performed by the mobile user terminal (1), use short-time and long-time probes.

IPC 8 full level

**G01S 19/34** (2010.01)

CPC (source: BR EP US)

**G01S 19/34** (2013.01 - BR EP US)

Citation (applicant)

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- KYU-HAN KIM ET AL.: "Proceedings of the 8th international conference on Mobile systems, applications and services", 2010, ACM, article "Improving energy efficiency of location sensing on smartphones"
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- CHUANG-WEN YOU ET AL.: "Impact of sensor-enhanced mobility prediction on the design of energy-efficient localization", AD HOC NETWORKS, vol. 6.8, 2008, pages 1221 - 1237, XP024339016, DOI: doi:10.1016/j.adhoc.2007.11.007

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3051315 A1 20160803**; BR 102016002138 A2 20180515; US 2016223682 A1 20160804

DOCDB simple family (application)

**EP 15382021 A 20150129**; BR 102016002138 A 20160129; US 201615009318 A 20160128